



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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KBM 19-06

AGRICULTURAL NEWS: The week started out hot and dry and ended hot and steamy. Some areas received welcome rains on Thursday and Friday. **Topsoil moisture** as of Friday, July 28, was rated 7 percent very short, 25 percent short, 65 percent adequate, and 3 percent surplus. **Subsoil moisture** was rated 8 percent very short, 24 percent short, 65 adequate, and 3 percent surplus. Days suitable for fieldwork averaged 5.5 days out of a possible 7 days. Farm activities last week included baling hay, spraying tobacco for blue mold, topping tobacco, and spraying soybeans for weeds.

TOBACCO: Although the blue mold presence is widespread, many producers have been spraying; which, along with hot dry weather, has helped keep the blue mold threat somewhat in check up to this point. There was very little change in tobacco condition last week with 1 percent very poor, 4 percent poor, 20 percent fair, 53 percent good, and 22 percent excellent. As of Sunday, July 30, 58 percent of the burley tobacco was blooming or beyond, ahead of the five year average of 54 percent and last year's 46 percent. Thirty-six percent of the burley had been topped, well ahead of the five year average of 29 percent, and last year's 24 percent. Fifty-nine percent of the dark tobacco has been topped, behind last year and average.

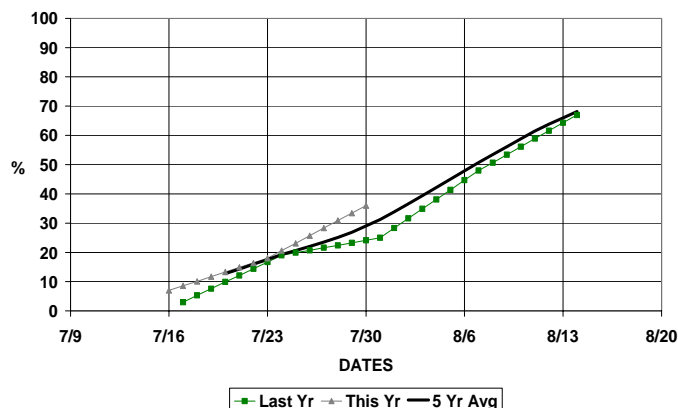
CORN: The corn crop was still rated mostly good to excellent, with good yields expected. The corn condition slipped only slightly and was rated 1 percent very poor, 2 percent poor, 12 percent fair, 43

percent good, and 42 percent excellent. Ninety-two percent of the corn has silked or was silking as of Sunday, July 30, behind last year's 96 percent, but ahead of the five year average of 90 percent. Sixty-seven percent was in the milk stage or beyond, ahead of last year's 59 percent, and the five year average of 65 percent. Thirty-eight percent was in the dough stage or beyond, ahead of last year's 33 percent, but behind the five year average of 40 percent. Sixteen percent of the corn acreage was in the dent stage, up from the 10 percent last year at this time and 15 percent for average.

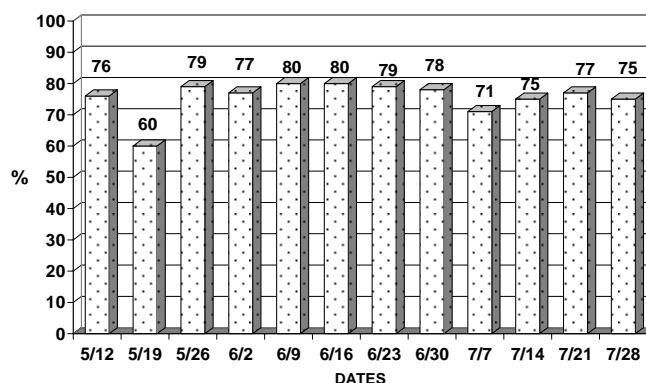
SOYBEANS: Thirty-five percent of the soybeans were setting pods, significantly behind last year's 50 percent, but just ahead of the five year average of 34 percent. These soybeans will need timely rains during this critical stage of development for adequate pod-fill. As of Sunday, July 30, 62 percent of soybeans were blooming, behind last year's 72 percent, but ahead of the five year average of 60 percent. Overall, the soybean condition declined slightly with 1 percent rated as very poor, 4 percent poor, 15 percent fair, 51 percent good, and 29 percent excellent.

OTHER CROPS: One of the main activities of the past week continued to be baling hay. Hay condition remains in mostly fair to good condition, with 1 percent very poor, 8 percent poor, 32 percent fair, 47 percent good, and 12 percent excellent. As of Friday, July 28, the pasture condition had declined slightly due to the hot weather, with 1 percent very poor, 7 percent poor, 29 percent fair, 52 percent good, and 11 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



**BURLEY TOBACCO CONDITION
% Good to Excellent**



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 30, 2006

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	62	72	60	58	76
Setting Pods	35	50	34	29	32
Corn					
Silking	92	96	90	85	78
Milk Stage	67	59	65	50	NA
Dough Stage	38	33	40	16	13
Dent Stage	16	10	15	NA	NA
Burley Tobacco					
Blooming	58	46	54	40	NA
Topped	36	24	29	18	NA
Dark Tobacco					
Topped	59	69	63	33	NA

(NA)Data Not Available.

SOIL MOISTURE

WEEK ENDING JULY 28, 2006

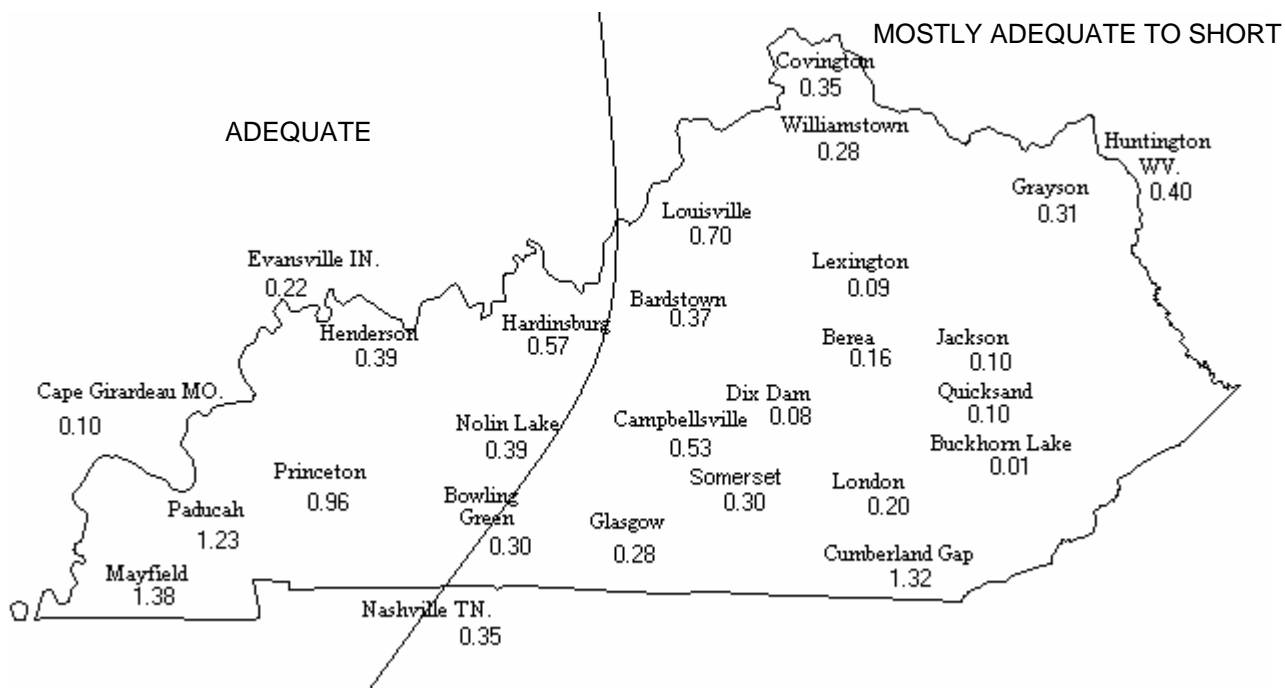
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	7	6
Short	25	27
Adequate	65	61
Surplus	3	6
SUBSOIL		
Very Short	8	6
Short	24	24
Adequate	65	65
Surplus	3	5

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 28, 2006						WEEK ENDING JULY 21, 2006					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	
Corn	1	2	12	43	42	0	6	9	35	50	
Soybeans	1	4	15	51	29	0	2	20	44	34	
Pasture	1	7	29	52	11	0	6	30	49	15	
Hay Crops	1	8	32	47	12	1	6	29	51	13	
Tobacco	1	4	20	53	22	0	4	19	54	23	

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 30, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 28, 2006



KENTUCKY WEATHER SUMMARY, JULY 24 – 30, 2006:

Above Normal Temperatures and Below Normal Rainfall:

High pressure was firmly entrenched over the Ohio Valley throughout the work week last week as hot and dry weather was felt across all of the Commonwealth. By the end of the work week, the high pressure system moved to the east and a weak cold front made its way into the area. Spotty showers and thunderstorms occurred Thursday, with Friday being the day with the most widespread rain coverage. High pressure once again set in over the weekend, ushering in more hot and humid weather.

Temperatures for the period averaged 78 degrees across the State which was 2 degrees above normal and 1 degree below the previous week's average. High temperatures averaged from 88 in the West to 88 in the East. Departure from normal high temperatures ranged from 2 degrees below normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 68 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 3 degrees above normal in the East. Extreme temperatures ranged from a maximum in the mid 90s to a minimum in the upper 50s.

Precipitation (liq. equ.) for the period totaled 0.42 inches statewide which was 0.64 inches below normal. Precipitation totals by climate division, West 0.71 inches, Central 0.44 inches, Bluegrass 0.17 inches and East 0.34 inches, which was 0.21, 0.67, 0.89 and 0.79 inches respectively below normal. By station, precipitation totals ranged from a low of 0.01 inches at Buckhorn Lake to a high of 1.38 inches at Mayfield.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

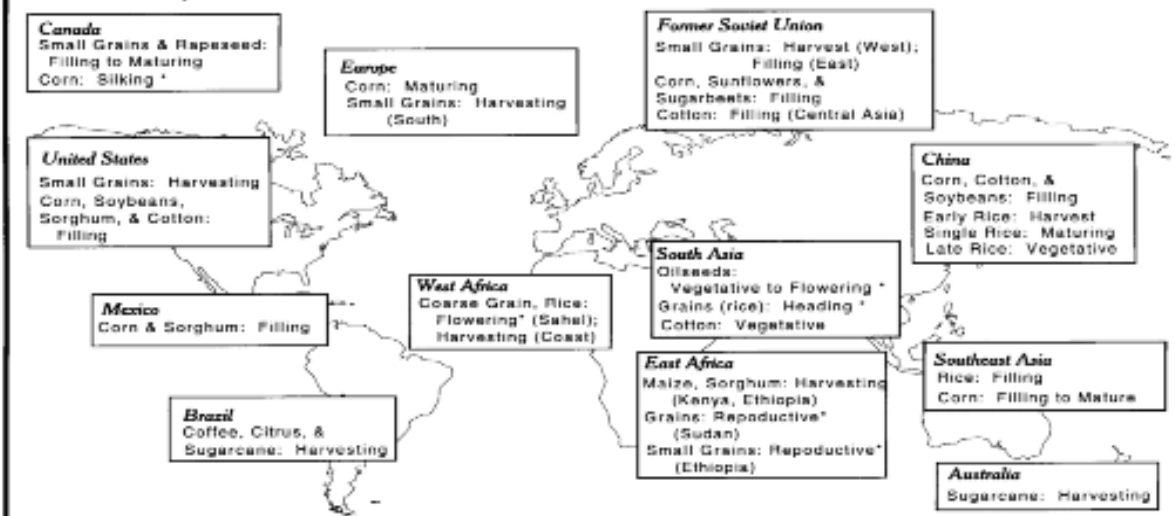
FOR WEEK ENDING SUNDAY, JULY 30, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.37	14.34	5.21	-2.51	+0.69	89	58	76.6	+1	180	2149	+4
Berea	0.16	13.62	2.21	-3.68	-1.78	90	60	77.6	+2	185	2217	+11
Bowling Green	0.30	14.10	3.30	-3.92	-0.98	92	59	78.6	+3	186	2375	+139
Bristol	0.27	14.11	2.01	-0.81	-1.89	90	58	76.3	+1	175	2065	+41
Buckhorn Lake	0.01	14.64	2.51	-2.05	-1.86	90	60	77.7	+2	186	2202	+268
Cape Girardeau	0.10	17.75	6.29	+1.23	+3.09	91	60	78.3	+0	190	2426	+69
Campbellsville	0.53	13.76	4.89	-5.53	+0.04	90	59	77.4	+1	180	2131	-45
Covington	0.35	15.54	2.97	-0.43	-0.86	90	60	76.6	+1	181	2053	+59
Cumberland Gap	1.32	14.42	2.74	-3.83	-2.02	90	60	77.7	+2	186	2168	+174
Dix Dam	0.08	13.54	3.22	-3.89	-1.26	89	60	77.3	+2	184	2092	-53
Evansville	0.22	19.41	6.46	+3.24	+2.81	92	63	78.6	+1	191	2340	+104
Glasgow	0.28	18.04	4.96	-1.31	+0.16	91	58	77.7	+2	180	2357	+211
Grayson	0.31	17.65	5.21	+1.22	+0.82	90	61	77.9	+3	187	2106	+233
Hardinsburg	0.57	18.51	6.71	+0.92	+2.40	91	62	77.4	+1	185	2192	-44
Henderson	0.39	17.82	6.70	+1.26	+3.01	91	61	78.0	+0	187	2201	-65
Huntington	0.40	17.83	6.66	+1.50	+2.21	90	61	77.9	+3	187	2191	+167
Jackson	0.10	15.07	3.87	-2.41	-0.87	90	63	78.7	+3	190	2237	+303
Lexington	0.09	16.06	5.48	-0.79	+0.96	89	61	77.3	+2	185	2108	+84
London	0.20	13.64	1.75	-2.77	-2.55	91	60	77.6	+2	185	2139	+145
Louisville	0.70	23.25	8.01	+6.58	+3.94	91	61	77.7	+2	186	2151	-85
Mayfield	1.38	16.83	5.99	-0.95	+1.93	90	60	77.7	-0	186	2168	-129
Nashville	0.35	14.11	2.54	-2.55	-1.05	94	65	79.9	+4	191	2556	+169
Nolin Lake	0.39	18.19	4.90	-0.63	+0.34	91	60	78.0	+2	185	2198	+143
Paducah	1.23	21.21	8.02	+3.16	+4.24	92	61	77.4	-0	182	2485	+158
Princeton	0.96	16.62	3.79	-1.14	-0.08	93	60	78.3	+0	185	2408	+112
Quicksand	0.10	13.25	3.85	-4.23	-0.89	90	60	77.7	+2	186	2164	+230
Somerset	0.30	15.56	3.64	-2.83	-0.78	91	59	77.2	+2	179	2088	+3
Spindletop	0.07	13.46	5.13	-3.39	+0.61	89	60	76.8	+1	183	2054	+30
Williamstown	0.28	18.27	4.40	+1.56	+0.31	90	60	76.9	+2	183	2029	+5

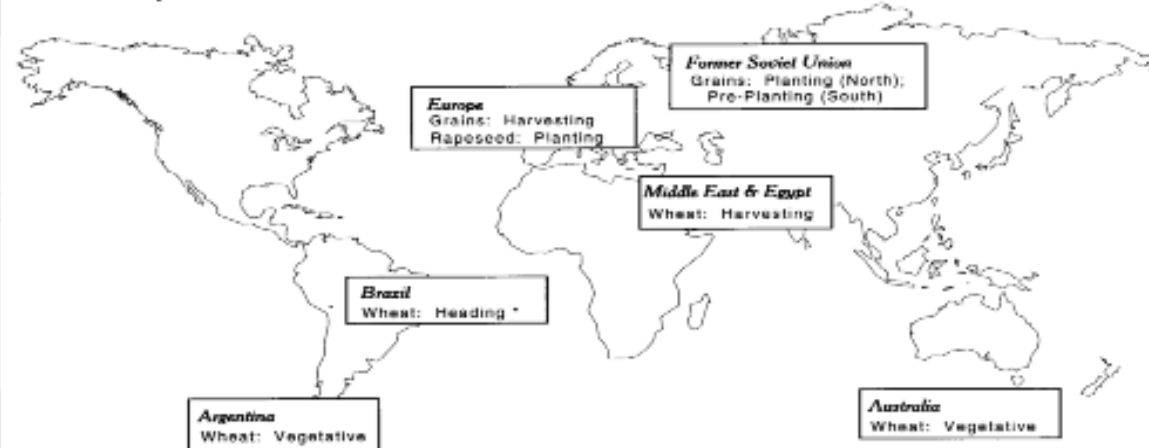
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.gwx.ca.uky.edu/>

August normal crop calendar

Summer crops



Winter crops



* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

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